MGT3812XB-W20 Magic 12VDC 38x38x20mm Cooling Axial Fan Datasheet

Brand: Protechnic

SKU: 805806297907

Category: Axial & Centrifugal Fans

Price: **$11.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/mgt3812xb-w20-magic-12vdc-38x38x20mm-cooling-axial-fan

Product Description

The Magic MGT3812XB-W20 is a compact DC axial fan engineered for high-density electronic environments requiring efficient thermal management. Featuring a robust DC motor architecture and precision dual ball bearing system, this unit delivers exceptional rotational stability and longevity under continuous operation. The aerodynamic blade design is optimized to minimize thermal impedance while maintaining structural rigidity, making it an ideal solution for restricted spaces where static pressure is critical.

Model Number: MGT3812XB-W20
Brand: Magic (Protechnic Electric)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.40 A
Power Consumption: 4.80 W
Rated Speed: 9000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 10.5 CFM (17.84 m^3/h / 0.30 m^3/min)
Max. Static Pressure: 0.30 inH_2O (7.62 mmH_2O / 74.7 Pa)
Dimensions: 38 x 38 x 20 mm

Weight: 35 g
Life Expectancy: 70,000 Hours at 40°C
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: 2-Wire Leads
Operating Temperature: -10°C to +70°C
Ingress Protection: IP20
Safety Certifications: CE, UL, TUV

Designed for critical cooling applications, the MGT3812XB-W20 excels in maintaining optimal operating temperatures for power amplifiers and compact audio equipment. Its high-speed performance ensures rapid heat dissipation in server modules, network switches, and industrial power supplies where space is at a premium. By integrating the MGT3812XB-W20 into high-load circuitry, operators ensure reliable thermal stability and prolonged component life in demanding electronic enclosures.

Supplemental Images